Recombinant Phospho-Vimentin (Ser39) Monoclonal Antibody

catalog number: **AN302096L**

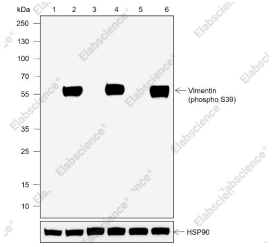
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Phosphorylated human Vimentin (Ser39) peptide
Host	Rabbit
Isotype	Rabbit IgG
Clone	C131717
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:1000

Data



Western Blot with Phospho-Vimentin (Ser39) Monoclonal Antibody at dilution of 1:1000. Lane 1: (-) HeLa, Lane 2: (+) HeLa + calyculin A (100nM, 30min), Lane 3: (-) NIH/3T3, Lane 4: (+) NIH/3T3 + calyculin A (100nM, 30min), Lane 5: (-) C6, Lane 6: (+) C6 + calyculin A (100nM, 30min)

Observed-MW:56 kDa

Calculated-MW:54 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Vimentin, also named as VIM, belongs to the intermediate filament family. Vimentin is class-III intermediate filaments found in various non-epithelial cells, especially mesenchymal cells. Vimentin is important for stabilizing the architecture of the cytoplasm. Monocyte-derived macrophages secrete vimentin into the extracellular space in vitro. Secretion of vimentin was enhanced by the proinflammatory cytokine tumor necrosis factor-alpha (TNFA) and inhibited by the antiinflammatory cytokine IL10, suggesting that vimentin is involved in the immune response. Vimentin has specialized functions that contribute to specific dynamic cellular processes. As a phosphoprotein, 55-60 kDa of vimentin proteins can be observed due to the different phosphorylation level.

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